

ADVA® CAST 640

High Range Water Reducing Admixture

Chryso
Concrete
Solutions

14/10/2025

DESCRIPTION

ADVA® CAST 640 is a polycarboxylic high range water reducing admixture. ADVA® CAST 640 contains no added chlorides and no TEA.

ADVA® CAST 640 is specially designed for producing superior high early strength concrete in precast applications. ADVA® CAST 640 complies with AS 1478, Type HWR.

BENEFITS

- Superior early strength enhancement, accelerates cement hydration with efficient dispersion effect
- Slump retention to place concrete in large precast units/high temperature regions
- High workability for faster placement and improved mix consolidation
- Exhibits superior water reduction and superior surface finish without stickiness, tearing / spotty set features
- Optimises precast concrete production to remove the need for heat curing

APPLICATION

- Concrete for precast structural elements with high early strength
- Low water-cement ratios concrete in low to high placement slump ranges

INDICATIVE INFORMATION

Product Nature	liquid
Color	Yellow
Lifetime	12 months
Specific gravity (kg)	1,070 ± 0,010
pH	5,50 ± 1,00

PACKAGING

- Bulk
- IBC 1000L
- 205 L Drum
- Pail

METHOD OF USE

Dosage :

Dosage rates of ADVA® CAST 640 can vary with type of applications, but normally ranges from 200 to 600 ml / 100 kg of cementitious material. In most instances, dose of 300 to 600 ml / 100 kg of cementitious material is sufficient. Should conditions require using more than recommended dosage rates, please consult your local Chryso representative.

Equipment :

Please contact your local Chryso representative for further information regarding the dispensing equipment for this product.

COMPATIBILITY

- Water-reducing admixtures, admixtures like accelerators, DCI® corrosion inhibitor, ECLIPSE® shrinkage reducing admixture and V-MAR® 3 rheology-modifying admixture
- Compatible with POLARSET® NC 300 and Daratain® SE
- When using admixtures in combination, each admixture should be added separately to the mix

PRECAUTIONS

- ADVA® CAST 640 contains no flammable ingredients
- ADVA® CAST 640 will begin to freeze at approximately 0°C but will return to full strength after thawing and thorough agitation
- In storage, and for proper dispensing, ADVA® CAST 640 should be maintained at temperatures above 0°C

SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).